

Date: Wed, 21 Apr 93 17:50:45 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #489
To: Info-Hams

Info-Hams Digest Wed, 21 Apr 93 Volume 93 : Issue 489

Today's Topics:

10meters (Give it to CB)
2 meter ht for sale ft209rh yeasu
Alinco DJ-180-T mods?
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CDE Ham II rotor parts.
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ft-530 mods.
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More FT530 Mods, anyone??
Motorola MICOR et. al. (2 msgs)
Passed Exam... need sugge
RCI
Special Events Amateur Radio Station.
wanted: manual
What is circular polarization?
What makes for a good receiver?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 20 Apr 93 21:34:00 GMT
From: gumby!destroyer!iunet!hal9k!jim.garver@yale.arpa
Subject: 10meters (Give it to CB)
To: info-hams@ucsd.edu

From: zardoz@ornews.intel.com (Jim Garver)

Date: 19 Apr 1993 12:09:01 -0700
Organization: Intel Corporation, Oregon
Message-ID: <1qutcd\$77f@ornews.intel.com>

In article <1993Apr16.223346.5508@hpcvaac.cv.hp.com> billn@hpcvaac.cv.hp.com (b
>bly@btree.uucp (Roger Bly) writes:

>: stated this intent. That is great, but I think we all would like to see som
>: spectrum remain focused on experimentation, public service, etc. I would
>: rather the new citizen bands be new allocations, but would settle for 10m,
>: etc. being reallocated to CB.

>

>Why 10m? You would just have the same problems that occur on the current
>11m band. It should be put up around 700Mhz - where skip is not a real
>problem. After all, CB is supposedly for local communication.

>

700 Mhz would provide some truly awful point-to-point propagation
so I suppose some folks, particularly hams, would feel the unwashed
masses inhabiting the current CB allocations would be served their
due justice.

Somewhere I read that the frequencies between 25-30 Mhz were best for
maximum ground wave propagation due to most bending of waves versus
least atmospheric disturbance. The maximum reasonable size for a
mobile 1/4 wave whip may also have something to do with it. I don't
believe the effects of periodic skip conditions on 10-11 meters were
properly understood or accounted for when the band was reallocated
to CB class D.

Its pretty obvious to me that more spectrum is needed for those not
knowledgeable about blue LEDs and such. I guess more UHF TV channels
could be stolen as the cellular boys did but propagation would suffer.
In any case hams should be more supportive of CB needs and less
critical of their operations. Otherwise 10 meters may become a
defacto CB band if it hasn't in some places already.

WA7LDV

. R110B:Wnet HAL_9000

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Date: Wed, 21 Apr 1993 18:34:38 GMT
From: usc!zaphod.mps.ohio-state.edu!swrinde!ringer!lonestar.utsa.edu!
tjenn@network.UCSD.EDU

Subject: 2 meter ht for sale ft209rh yeasu
To: info-hams@ucsd.edu

for sale

2 meter yeasu ft209rh ht 5w.

comes with, dropin charger, AA backup battery pack,
speaker mike, pl tone board, all day battery[12v 750ma],
owners manual.

its' not like new, but in good shape.

\$175
or best offer

let me know
210 342 4663

thanks
terrance

Date: Wed, 21 Apr 1993 21:45:57 GMT
From: usc!howland.reston.ans.net!agate!linus!aquila.sni-usa.com!
jddavid@network.UCSD.EDU
Subject: Alinco DJ-180-T mods?
To: info-hams@ucsd.edu

Does anyone on the net have a list of mods for the
Alinco DJ-180-T?

Please email them direct to me jddavid@sni-usa.com
or sending me the address of an ftp server where I
can get the information is ok too.

Thank you in advance, Jim.

***** | Jim David - N1HZG \ Internet: jddavid@sni-usa.com
S I E M E N S | Siemens Nixdorf RDD \ Usenet: ...!uunet!jddavid@sni-usa.com
***** | 200 Wheeler Road \ Phone: USA + 617-273-0480 x3496
N I X D O R F | Burlington, MA. 01803 \ FAX: USA + 617-221-0236

Date: Wed, 21 Apr 1993 17:12:22 GMT

From: usc!zaphod.mps.ohio-state.edu!uwm.edu!linac!att!cbnewsm!
wx4d@network.UCSD.EDU
Subject: autoexam.zip - correction (was: FCC 2 & 3A question pools)
To: info-hams@ucsd.edu

Subject: Autoexam.zip: anonymous ftp location

This is shareware to generate written tests based on the FCC question pools.

In a previous posting, I wrote:

>
> : AUTOEXAM.ZIP can be downloaded from various places,
> : one of which is wuarchive.wustl.edu (pub/hamradio directory I think).
>

The actual directory on wuarchive.wustl.edu is mirrors/msdos/hamradio.

Note that wuarchive.wustl.edu is very busy in the daytime, and you may not be allowed anonymous access.

Another site which has autoexam.zip and other ham radio software is ftp.cs.buffalo.edu. It is not as busy, especially in the daytime. The directory is pub/msdos/hamradio.

Remember to transfer the file in binary mode.

73 de Jim WX4D (jvm@aluxpo.att.com)

P.S. To the person who emailed me that you were having trouble: my return email to you is not being delivered, and I don't know how else to reply to you.

Try ftp instead of telnet.

See one of the FAQ (frequently-asked-questions) files for ham radio which are posted periodically for details on how to do anonymous ftp. -de WX4D

Date: 21 Apr 93 16:08:43 EST
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: autoexam.zip - correction (was: FCC 2 & 3A question pools)
To: info-hams@ucsd.edu

In article <C5uFss.F9q@cbnewsm.cb.att.com>, wx4d@cbnewsm.cb.att.com (james.v.morgan..jr) wrote:

> Subject: Autoexam.zip: anonymous ftp location
> This is shareware to generate written tests based on the FCC question
> pools.

Jim-

I understand a new question pool goes into effect in just a few weeks.
Does Autoexam contain the new question pool? If not, does anyone know how
to get a machine-readable copy of the new question pool?

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

Date: Wed, 21 Apr 1993 20:23:19 GMT
From: swrinde!sdd.hp.com!hpscit.sc.hp.com!cupnews0.cup.hp.com!news1.boi.hp.com!hp-
pcd!hpspkla!dubner@network.UCSD.EDU
Subject: CDE Ham II rotor parts.
To: info-hams@ucsd.edu

Bourque_David (bourque@sceng.UB.COM) wrote:

:
: I just purchased a used CDE Ham II rotor and would like to change the
: North centered meter to a South centered meter. The Owner's manual
: says a kit is available for field modification. However, the phone
: number listed for CDE is no longer in service. The number in the
: manual is 919-552-2281.

CDE became a part of Hygain some time ago, I think. Look in any recent
radio magazine for a Hygain antenna ad.

73,
Joe, K7JD

Date: 21 Apr 93 16:04:11 EST
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: CELESTIAL BBS IN OHIO
To: info-hams@ucsd.edu

In article <117.1129.uupcb@freddy.ersys.edmonton.ab.ca>,
dave.short@freddy.ersys.edmonton.ab.ca (Dave Short) wrote:
> I have been trying to connect with the Celestial BBS for a while but
> have had no luck. I am running Pcplus and have a P.C. Logic 14.4 modem
> and have had no trouble with any other board in North America. The

> trouble I seem to be having is just as I'm about to finish the connect
> sequence I hear a click from my modem and the call disconnects. I'm
> thinking that there is nothing wrong on my end or their end, but that
> there may something special about the proper way to connect to this BBS.
> Can anyone out there please help me out???
> I have tried various setting, the write up of the BBS is 24hrs.
> 9600/2400/1200 baud 8 bit NO parity 1 stop. Phone 513-427-0674

Dave-

As I recall, the problem is the fact that your comm program talks to the modem at some speed higher than 14.4 KBaud, expecting the modem to translate to the speed of the modem being called. However, the Celestial BBS has a similar modem, which will connect at maximum speed. The reason it doesn't work, is that the Celestial BBS is operating at 9600 baud, so it can't communicate at the higher baud rate.

Solution: Set your comm program to 9600 baud for calls to Celestial BBS.

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

Date: 20 Apr 93 06:18:37 GMT
From: fe2o3!rusty@MIMSY.CS.UMD.EDU
Subject: ft-530 mods.
To: info-hams@ucsd.edu

In article <moR72B1w165w@dreaml.wariat.org> jga@dreaml.wariat.org (Jon Anhold) writes:

>Well, I need the mod for the Yaesu FT-530 portable.. I had it, but then
>I tried to install DOS 6 and DoubleSpace, and, well, it wasn't pretty.

Why would anyone want to "degrade" their 530 by trying to install MS-DOS on it? My 530 is still running off of floppies until Yaesu debugs their harddisk controller. Apparently the controller is accepting commands from everything in the chassis, even the power supply. Seems Yaesu can't seem to get tight frontends on anything! Luckily, OS/9 will still run off of floppies. :-) :-) :-) :-) :-) :-)

>Anyhow, anyone who has the mods, please send it to me at one of the

Here's what I've lifted from a local BBS. If you have something a little more definitive I'd appreciate getting a copy. Still, it's pretty close to what a Yaesu rep' told me when visiting HRO a couple months ago. TNX!

-Rusty-

----- CUT HERE -----

Yaesu FT-530 Extended Transmit and Receive

This modification for the Yaesu FT-530 is claimed to provide extended receive coverage from 110-180 MHZ and 300-500 MHZ and expanded transmit coverage from 130-180 MHZ and 400-470 MHZ. Also, it is claimed that the 800 MHZ band can be received.

I have not yet implemented this mod so can not speak to its validity or effectiveness. When I do I will try to take sensitivity measurements. Look for further messages on this.

If you would like to have a copy of these instructions with a diagram showing the location of the jumper pad, please send me an SASE at the following address:

Terry Berman AB4UM
1449 Kingstream Dr.
Herndon VA 22070.

AGAIN -- Since I have not yet tried this mod it is strictly CAVEAT EMPTOR.

1. Remove antenna and battery
2. Remove four screws on bottom holding battery track.
3. Remove the four (black) screws holding rear case.
4. Slowly....open the front cover from transceiver and lay both halves on table.
5. Note positioning of white paper insulator in right half of radio and lift out (do not throw away).
6. Carefully locate jumper pad 13 and remove solder. The jumper pad is located on the lower right of the transceiver. There are 16 pads in all arranged in two columns. The column to the left is the even numbered column (i.e., pads 2 through 16). The column to the right is the odd numbered column (i.e., pads 1 through 15). Pad

number 13 is the second pad from the bottom (counting the bottom-most pad as the first); or the seventh pad from the top (counting the top-most pad as the first).

7. Re-install white paper insulator, make sure the ground tab slides through the paper insulator.

8. Close radio back up (careful not to pinch the ribbon cable near lithium battery when closing case halves).

9. Re-install the four (black) screws holding rear case.

10. Re-install four (small silver) screws on bottom holding battery track to radio body.

11. Attach antenna and battery.

12. Turn off radio Press and hold both arrow keys while turning on radio.

MODIFICATION COMPLETE

```
--
  ----- Rusty Haddock  ##  KD4WLZ -- Weird Looking Zucchini
| \ /   o \   o      DOMAIN:rusty@fe2o3.laurel.md.us    UUCP:uunet!mimsy!fe2o3!rusty
|   (   -<  0 o      If someone points a quad-vectored, hyper-thermic, cosmo blaster
| / \__V__ / at you it's a safe bet that you're about to become toast.
```

Date: Wed, 21 Apr 1993 18:09:52 GMT
From: usc!howland.reston.ans.net!torn!nott!cunews!freenet.carleton.ca!
Freenet.carleton.ca!ac145@network.UCSD.EDU
Subject: Ham shop in Toronto area ?
To: info-hams@ucsd.edu

I was told a while ago that a Ham shop in Toronto area has very good deal on Alinco DJ-580 and Yasue FT-470. I'll be in Toronto this weekend. Can anyone tell me where is the store and which radio I should buy? Thank you in advance.

--
ac145@freenet.carleton.ca
Bing Liu
The National Capital Freenet
(613) 831-8967

Date: Wed, 21 Apr 93 23:03:09 GMT

Date: Wed, 21 Apr 1993 17:41:36 GMT
From: spsgate!mogate!newsgate!usenet@uunet.uu.net
Subject: Motorola MICOR et. al.
To: info-hams@ucsd.edu

In article <SBROWN.93Apr21062056@charon.dseg.ti.com>
sbrown@charon.dseg.ti.com (Steve Brown) writes:
> ... info about Micors ...

All that Steve says is true for the Mocom models as well. I think they use the same control head and cable. I acquired a few UHF Mocom 70's literally from the dumpster when a local ambulance company converted to a new system. I managed to acquire a service manual for the Mocom's from someone here on the net and decided they would be worth gambling \$20 on (for a pair of crystals). When the crystals arrived, it took me about two hours of tuning and fiddling and the Mocom was on 70cm. The model I have puts out about 25w. I get great reports on it...the audio quality is super. The models I have are 4 channel without a preamp. As Steve said, they're extremely rugged and, by current standards, huge and heavy...although the control head isn't all that big. The other thing I really like is that they put out a LOT of audio on receive...more than 5W, I think. I've seen them at swap meets for \$50-75. Keep in mind, tho, that crystals will run about \$20 per channel, so factor that into the price.

73... Mark AA7TA

Date: 21 Apr 1993 21:03:06 GMT
From: ucsd.edu!brian@network.UCSD.EDU
Subject: Motorola MICOR et. al.
To: info-hams@ucsd.edu

Be aware that MOCOM-70 radios date from the early 70's (and late 60's) and are nearly impossible to get parts for. The most common failure in them is the PTT/ant relay, and it's a custom jobbie. Second most common in the UHF model is the tripler varactor.

If you plan on using one in a serious way, buy two and use the second for parts.

\$25 is a typical swapmeet price without control group; expect to pay \$10 to \$20 for the control group (head, mic, speaker, cable) depending on how shiny and clean it is.

Don't plan on using a UHF MOCOM-70 mobile as a repeater; the varactor

tripler stage is filthy by today's standards and your site neighbors will hate you. Fixing such a repeater with an axe would be justifiable.

- Brian

Date: Tue, 20 Apr 1993 16:54:35 -0600
From: usc!howland.reston.ans.net!bogus.sura.net!news-feed-1.peachnet.edu!umn.edu!uum1!kksys.com!edgar!tdkt!FredGate@network.UCSD.EDU
Subject: Passed Exam... need sugge
To: info-hams@ucsd.edu

Hello Paul.

-=> On 04-19-93 13:48, Paul N. Cowley wrote <=-

PNC> Well, the subject heading nearly says it all! I took the
PNC> elements 2 and 3A and passed (the 3B too, on a chance, and
PNC> missed by one question....

Congrats on the new license!!! I'm new to amateur radio also; it's great fun.

PNC> BTW: what ITU region is the US in?!).

Region 2.

PNC> In addition, does anyone have any particular suggestions for starting
PNC> equipment, etc...?

Buy used. There's lots out there, although 2m handhelds seem a little scarce. See if you can meet some members of a local 2m repeater club and tell them you're looking for equipment and advice. I've found everyone very, very helpful and gotten invaluable advice on what to buy and what not to buy.

PNC> I would like to do something with 2-meters, since that seems
PNC> really popular, but I am unsure of anything else.

I have HF privileges but have still found 2 meters a great place to start because of the ease of making contacts and the lower starting investment.

PNC> Now if the call will only get here! (BTW... what is the current
PNC> license delay [my test was administered by ARRL/VEC] ?)

I just received my Tech Plus upgrade on April 19. It arrived after a

little over a three months wait.

PNC> (I know, I know... LEARN THAT CODE! [I am, but slowly... time
PNC> restraints! :)]))

Learn the code ;-)) It's a very nice feeling of accomplishment and even
after you get HF privileges, if you only work phone, that gives you a
very small slice of the spectrum. CW at least gives me more bands to
work until I get my general.

Have fun!

73 de Vern, KB0KWB

* Origin: HAM>link< RBBS 612/HAM-0000 Saint Paul, MN [K0TG] (1:282/100)

Date: 21 Apr 93 18:43:57 GMT
From: afterlife!blackbird.afit.af.mil!AFIT.AF.MIL!dfuller@MIMSY.CS.UMD.EDU
Subject: RCI
To: info-hams@ucsd.edu

I'm looking for the company that makes the RCI.
To my understanding it's Made by Ranger but I've
had no luck at finding Ranger. If you know where
they are at please let me know.

Douglas

Date: Wed, 21 Apr 1993 20:10:05 GMT
From: gumby!news.cs.andrews.edu!zds-oem!sims@uunet.uu.net
Subject: Special Events Amateur Radio Station.
To: info-hams@ucsd.edu

ATTENTION AMATEUR RADIO OPERATORS AND BOY SCOUTS:

During June 19th-23rd we will be mounting a Special Event station to the
St. Helena Lighthouse on St. Helena Island in northern Lake Michigan.

The purpose of the Special Event is to commemorate the 120th Anniversary of the
commissioning of the lighthouse and to celebrate the end of a 6000 hour
restoration project by the Boy Scouts and the Great Lakes Lighthouse Keeper's
Association.

In addition to making contacts with any station for the Special Event we would like to make schedules with other stations so that the Boy Scouts working on the Lighthouse would have an opportunity to talk with other scouts from around the country.

Please call or write Earl Morse, KZ8E, at the following numbers for more information or to set up a schedule.

73'

Earl Morse, KZ8E
(616) 925-4848 evenings
(616) 982-5132 days
or via mail:
E.Morse@mi04.zds.com

Date: 21 Apr 1993 19:00:56 GMT
From: swrinde!gatech!howland.reston.ans.net!zaphod.mps.ohio-state.edu!
sol.ctr.columbia.edu!usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!
master.cs.rose-hulman.edu!news@network.UCSD.EDU
Subject: wanted: manual
To: info-hams@ucsd.edu

Sorry to bug you about this again...

Does anyone have a manula for a Regency Transcan? And could a copy be begged?

derry@nextwork.rose-hulman.edu

tnx es 73 de K9CUN, Jack

Date: Wed, 21 Apr 1993 13:01:08
From: mvb.saic.com!zippy.telcom.arizona.edu!nauvax.ucc.nau.edu!
cvm@network.UCSD.EDU
Subject: What is circular polarization?
To: info-hams@ucsd.edu

I understand horizontal and vertical porlarization of an antenna or RF signal. I am just getting interested in satellites and don't understand circular polarization. What is circular polarization, and right or

left circular polarization?

Chris Michels -- Systems Programmer cvm@nauvax.ucc.nau.edu
Northern Arizona University -- Flagstaff, AZ cvm@nauvax.bitnet
Phone: (602) 523-6495 N7YIU

Date: Wed, 21 Apr 1993 20:21:37 GMT
From: usc!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!cbnews!jeffj@network.UCSD.EDU
Subject: What makes for a good receiver?
To: info-hams@ucsd.edu

In the somewhat near future I am thinking of getting a new transceiver and it kinda dawned on me that I am not really sure what makes for a good receiver. What kinda of figures should I look for? What kind of features? I can compare published figures of one receiver to another but I am not sure what I am really comparing. Thanks for any and all help!
73!

Jeff

--

Jeff Jones AB6MB | OPPOSE THE NORTH AMERICAN FREE TRADE AGREEMENT!
jeffj@seeker.mystic.com | Canada/USA Free Trade cost Canada 400,000 jobs.
Infolinc BBS 415-778-5929 | Want to guess how many we'll lose to Mexico?

Date: Wed, 21 Apr 93 19:33:28 GMT
From: mnemosyne.cs.du.edu!nyx!jmaynard@uunet.uu.net
To: info-hams@ucsd.edu

References <Ny6a3B1w165w@stock.apana.org.au>, <1993Apr20.213614.29801@ke4zv.uucp>,
<1993Apr21.000247.26363@samba.oit.unc.edu>p
Subject : Re: My thoughts...

In article <1993Apr21.000247.26363@samba.oit.unc.edu> Kirk.Smith@launchpad.unc.edu
(Kirk Smith) writes:

>How is using an
>outdated mode of communications (ie: CW) to do contesting, ragchews,
>and signal report exchanges to get that coveted QSL card so much more
>"experimental" or justified than a 2m rag-chew?

Maybe if you'd quit bashing CW, the CW types would quit bashing you.

--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can

jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.
"If OS/2 is dead, then there are an awful lot of vocal ghosts calling us on
the phone." -- Katy Ansardi of Indelible Blue (an OS/2 exclusively store)

End of Info-Hams Digest V93 #489
